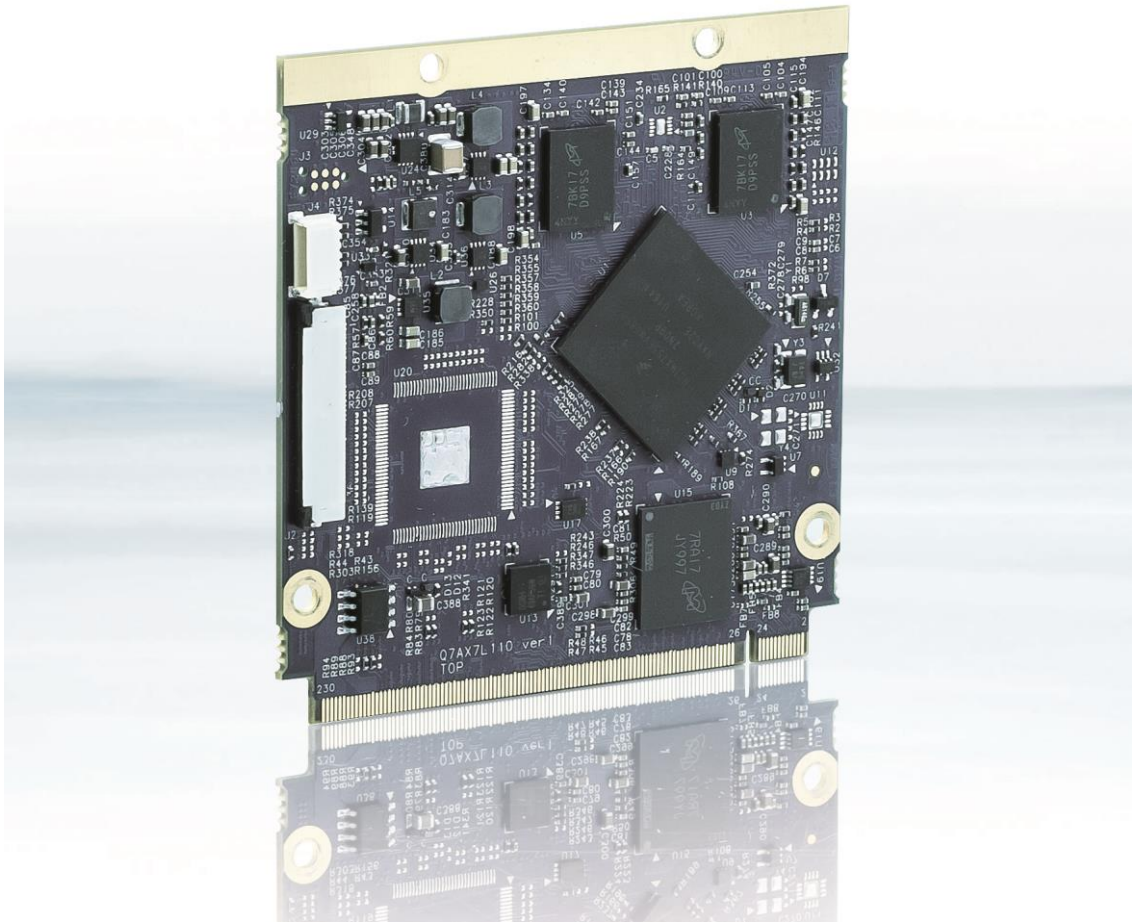


Qseven-Q7AMX7

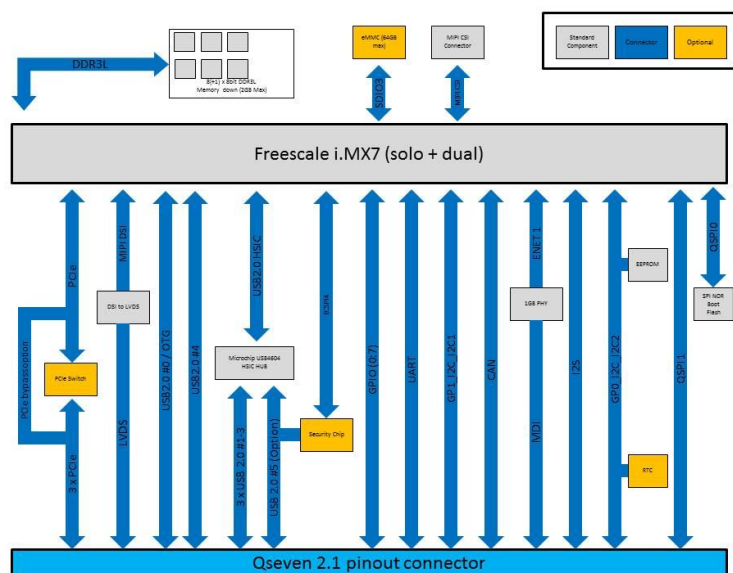


QSEVEN MODULE WITH EXTREME LOW POWER i.MX7 SERIES PROCESSOR

- ▶ Up 2x 1GHz Cortex[®] A7 + 200 MHz M4 processor
- ▶ Up to 2 GByte RAM
- ▶ Dual channel LVDS interface
- ▶ Up to 3x PCIe, 4x USB2.0
- ▶ Support of Kontron's Embedded Security Solution (Approtect)

TECHNICAL INFORMATION

COMPLIANCE	Qseven Specifications 2.1
DIMENSIONS (H X W X D)	Standard Size, 70 x 70 mm
CPU	Qualcom® / NXP Single / Dual i.MX7 Processor
MAIN MEMORY	Up to 2 GByte DDR3
ETHERNET	1x 10 / 100 / 1000 MBit Ethernet
STORAGE	1x SDIO
FLASH ONBOARD	2 - 64GB eMMC 5.0
PCI EXPRESS® SUPPORT	3 x PCIe 2.0 PCIe with Dual Core Processor
PANEL SIGNAL	1 x LVDS dual channel
USB	Up to 5 x USB 2.0, 1x USB2.0 OTG
SERIAL	1 x Serial Interface (RX, TX, RTS, CTS)
OTHERS	HD Audio and I2S, 1x I2C, 1x SPI, Camera Interface (2x MIPI CSI), 8x GPIO [0:7], 1 x CAN
SPECIAL FEATURES	Security Chip (Support of Kontron Approtect) on request
FEATURE ON REQUEST	1x PCIe instead of 3x PCIe for Dual SKU
BOOTLOADER	Uboot
OPERATING SYSTEM	Yocto Linux
POWER SUPPLY	3 V – 5.25 V operates directly from single level Lithium Ion cells or fixed 3.3 V – 5 V power supplies
TEMPERATURE	Operating: Extended Consumer -20 °C to +85 °C Non-Operating: -30 °C to +85 °C
HUMIDITY	93% relative Humidity at 40 °C, non-condensing (according to IEC 60068-2-78)



CORPORATE OFFICES

EUROPE, MIDDLE EAST

Lise-Meitner-Str. 3-
5 86156 Augsburg
Germany
Tel.: + 49 821 4086 0
Fax: + 49 821 4086
111
info@kontron.com

NORTH AMERICA

9477 Waples Street
San Diego, CA 92121
USA
Tel.: + 1 888 294 4558
Fax: + 1 858 677 0898
info@us.kontron.com

ASIA PACIFIC & AFRICA

Plot 554 Lorong Perusahaan,
Prai Free Trade Zone,
Penang 13600,
Malaysia
Tel.: +604 377 7178
Fax: +604 380 8182

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